

# WAVEFORM DIVERSITY FOR COMMUNICATION USING PULSE DECODING

## ABSTRACT OF THE DISCLOSURE

A communication technique includes mapping an information character to two or more subsymbol waveforms to produce an analog waveform. The two or more subsymbol waveforms define the information character. Alternatively, robustness can be achieved wherein each subsymbol waveform represents the information character, so that the information character is redundant in the analog waveform. The likelihood of success in the subsequent decoding of such a waveform to produce the information character is increased due to the redundancy.

PA 3115684 v1